

Yield Components	14 DATP				28 DATP				35 DATP				63 DATP			
	3 (Hb-)	C	4 (Hb-)	44 (Hb-)	3 (Hb-)	C	4 (Hb-)	44 (Hb-)	3 (Hb-)	C	4 (Hb-)	44 (Hb-)	3 (Hb-)	C	4 (Hb-)	44 (Hb-)
Root Yield (grams)	0.08a	0.07a	0.08a	0.06a	0.18a	0.14b	0.13b	0.16ab	0.30a	0.23ab	0.21b	0.24ab	0.58a	0.35b	0.45b	0.34b
Shoot Root	2.81a	2.24ab	1.85b	2.25ab	3.10a	2.35b	2.18b	2.50b	4.09a	2.64c	2.81c	3.22b	4.09a	3.31b	3.35b	3.43ab
Leaf Stem	1.30b	1.72a	1.58a	1.51ab	1.11c	1.75a	1.43b	1.45b	0.83b	1.17a	1.31a	1.10a	0.76b	0.98ab	0.99ab	1.19a
Yield per Shoot (grams)	0.08a	0.04b	0.03b	0.03b	0.09a	0.05b	0.04b	0.04b	0.07a	0.04b	0.05b	0.04b	0.09a	0.04b	0.05b	0.05b
Stem Characteristics																
Total Stem Length (cm)	28.20a	26.37a	26.37a	20.47a	59.30ab	46.27ab	39.83b	63.85a	146.77a	97.59b	91.77b	124.93ab	273.35a	226.17a	245.70a	209.00a
Stems per Plant	3.33b	4.00ab	4.87a	5.17a	7.33b	6.83b	6.83b	11.50a	18.65ab	14.50b	13.67b	19.17a	25.33a	28.00a	30.85a	24.33a
Mean Stem Length (cm)	9.30a	5.68b	5.25b	5.16b	8.37a	6.72ab	5.93b	5.65b	8.72a	6.70b	6.74b	6.70b	10.71a	8.10b	7.85b	8.78b
MIL (cm)	1.53a	0.98b	0.94bc	0.80c	1.46a	1.22b	0.94b	0.92b	1.63a	1.31b	1.05c	1.06c	1.94a	1.47b	1.18c	1.30c
Nodes per Plant	19.83c	26.53ab	33.33a	24.33bc	41.17b	40.63b	42.00b	68.67a	90.33ab	74.00b	68.83b	117.00a	141.17b	153.83b	208.67a	160.17b
Nodes per Stem	6.01a	5.74a	6.35a	6.14a	5.81a	5.98a	6.39a	6.122a	5.36b	5.11b	6.43a	6.19a	5.53b	5.50b	6.67a	6.71a
Stem Diameter (mm)	0.94a	0.72b	0.63b	0.62b	1.10a	0.76b	0.80b	0.77b	1.05a	0.77b	0.82b	0.85b	1.15a	0.78b	0.80b	0.84b
SSW (g cm <sup>-1</sup> )	3.42a	2.28b	2.37b	2.38b	4.84a	2.68b	2.98b	2.57b	4.33a	2.75b	2.94b	2.87b	4.88a	2.53c	3.08b	2.52c
Leaf Characteristics																
Leaf Area per Plant (cm <sup>2</sup> )	27.40a	21.66ab	23.01ab	17.80b	68.53a	47.51b	44.12b	56.12ab	126.74a	68.51c	78.25bc	98.42b	223.66a	114.49c	156.08b	128.42bc
Area per Leaf (cm <sup>2</sup> )	1.08a	0.74b	0.67b	0.64b	1.40a	1.02b	0.78bc	0.67c	1.44a	0.94b	0.74c	0.77bc	1.45a	0.82b	0.86c	0.63c
SLW (cm <sup>2</sup> g <sup>-1</sup> )	4.43a	4.75a	4.27a	4.07a	4.47a	4.28a	3.78b	4.07ab	4.55a	4.46ab	4.27ab	4.09b	4.47a	4.82a	4.66a	4.61a
Trifoliate per Plant	24.83b	29.67ab	36.17a	27.00b	51.00b	46.33b	56.33b	67.33a	90.50bc	74.00c	107.67ab	126.67a	156.50bc	140.17c	249.33a	198.17ab
Reproductive																
MSC	0.7	0.0	0.0	0.0	1.5	0.5	0.7	0.7	2.0	1.0	1.0	1.0	2.8	1.3	1.5	1.3
Days to First Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Racemes per Plant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florals per Raceme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Different letters within harvests represent significant differences at (P's 0.05) according to Fishers LSD test  
 MIL = Mean Internode Length, SLW = Specific Leaf Weight, MSC = Mean Slage by Count  
 MSC calculations: 14, 21, 28, 35 DATP (longest stem), 72 DATP (whole plant)

FIGURE 1

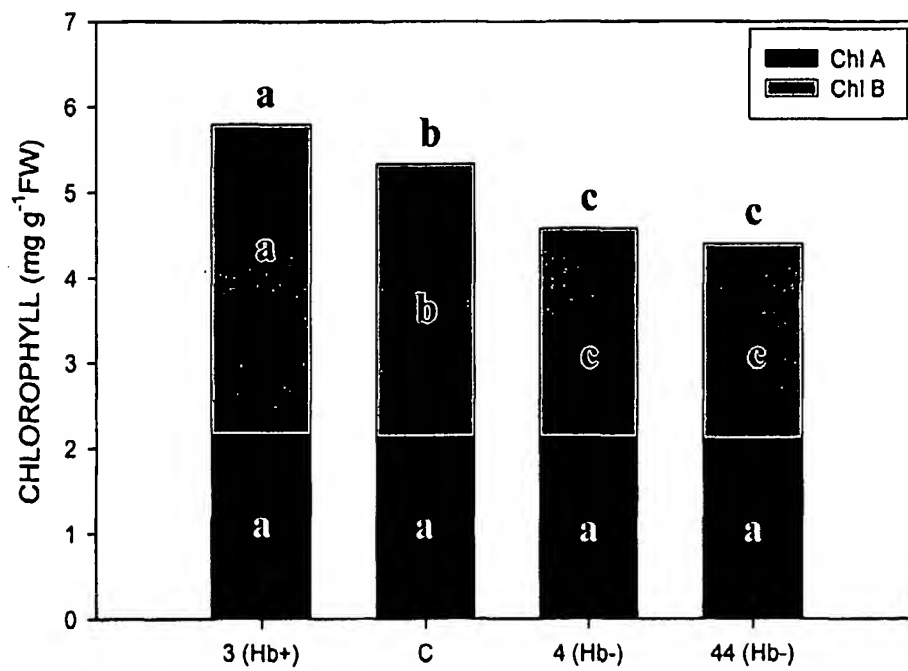


FIGURE 2

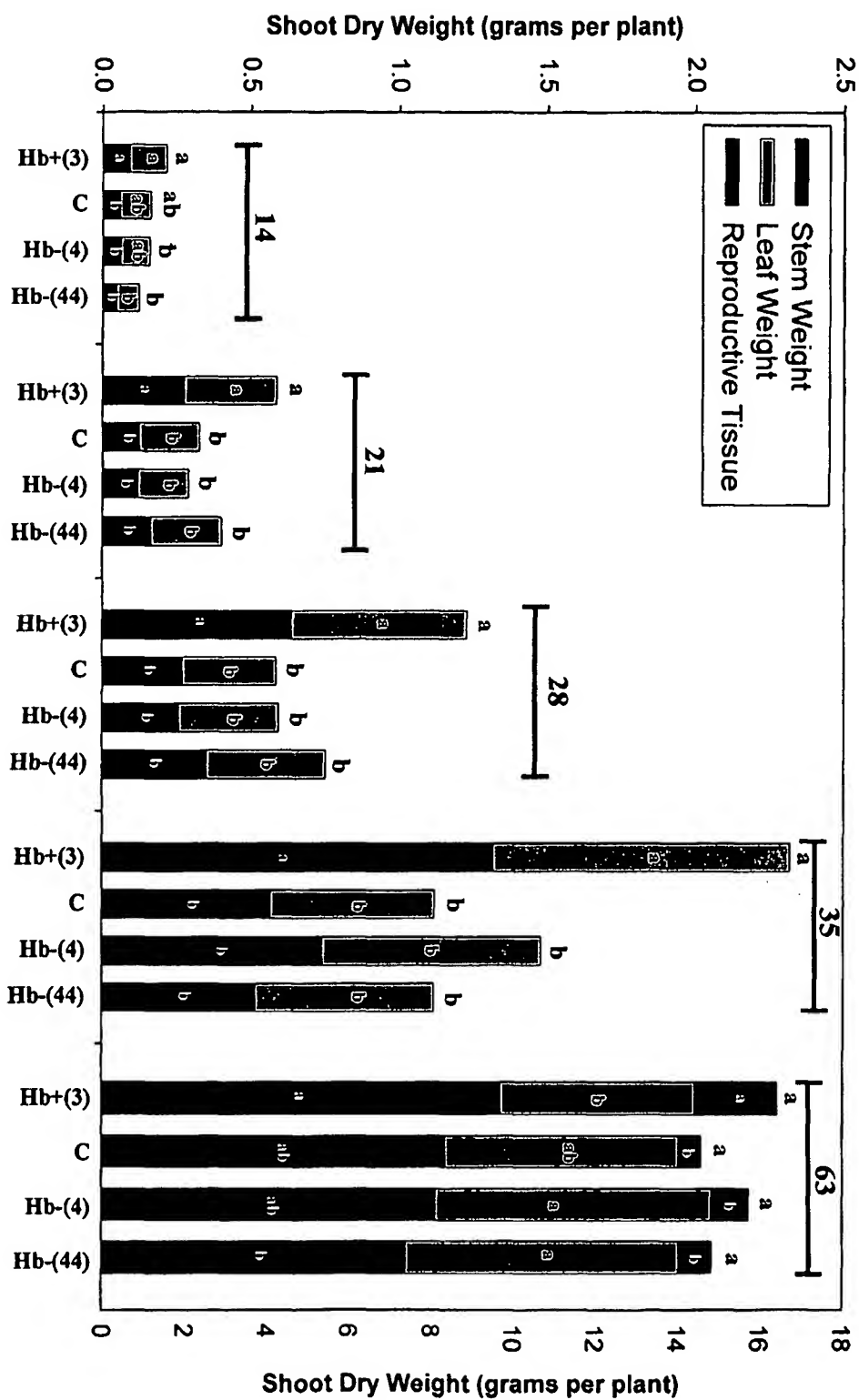


FIGURE 3

# Shoot Morphology

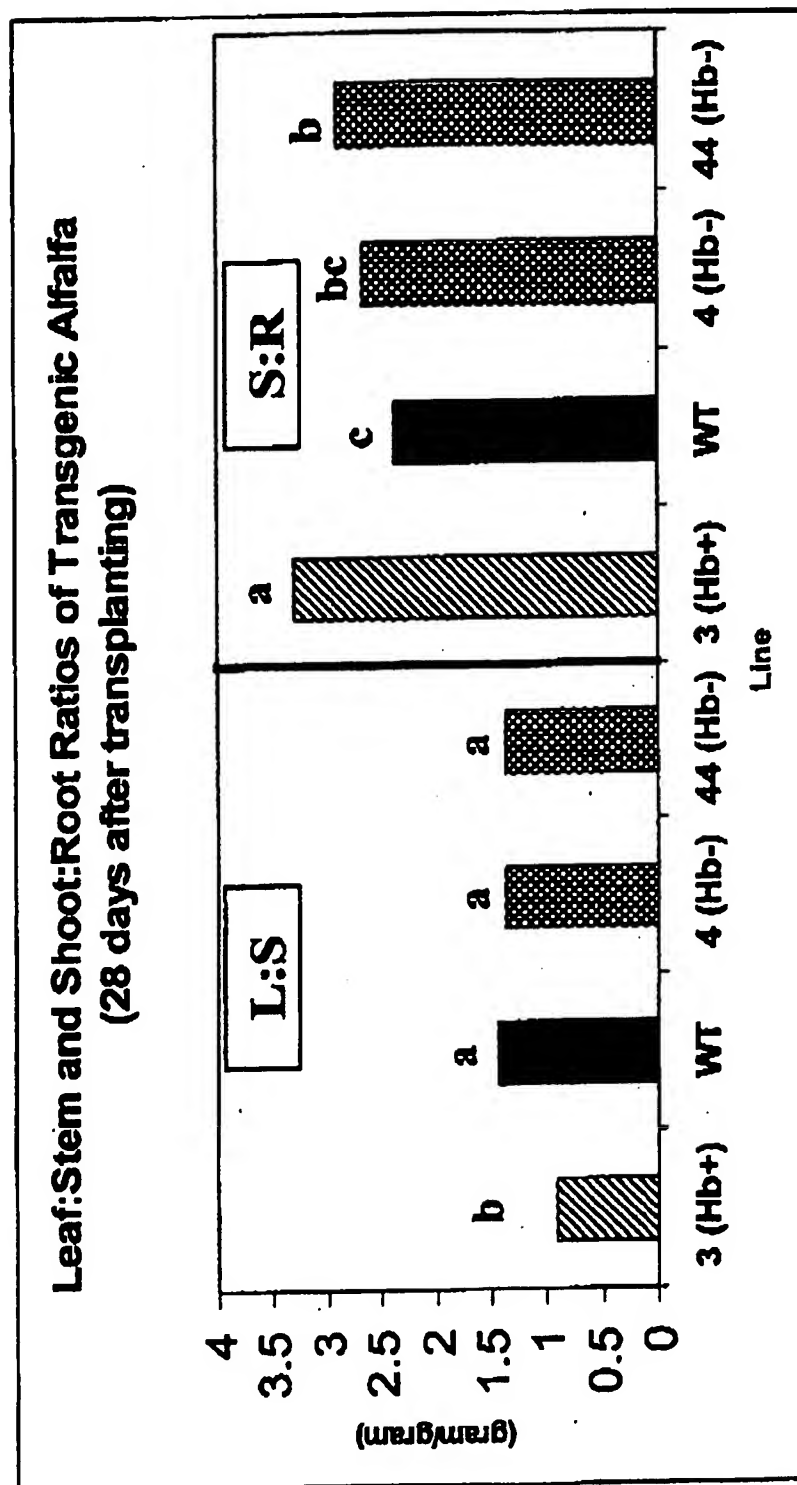


FIGURE 4

# Root Morphology

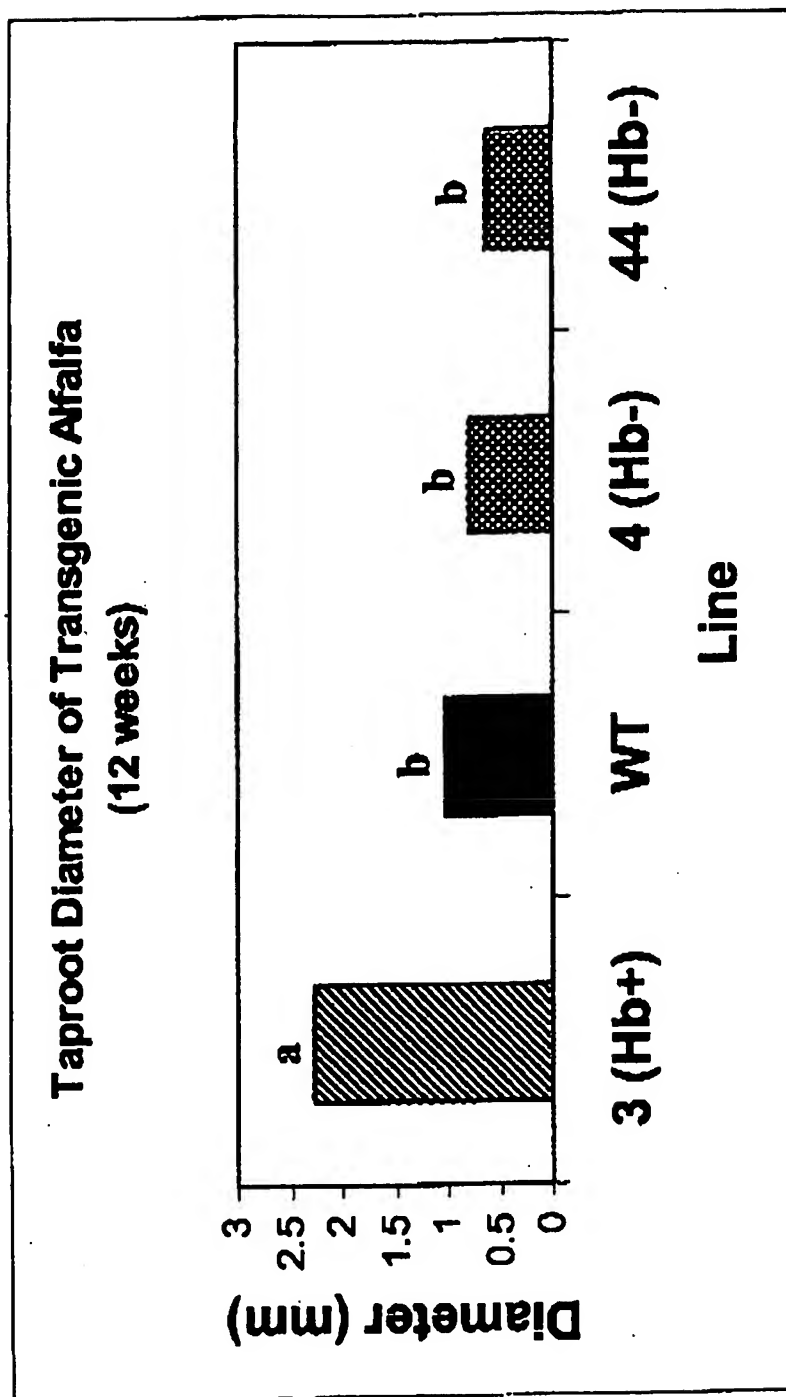
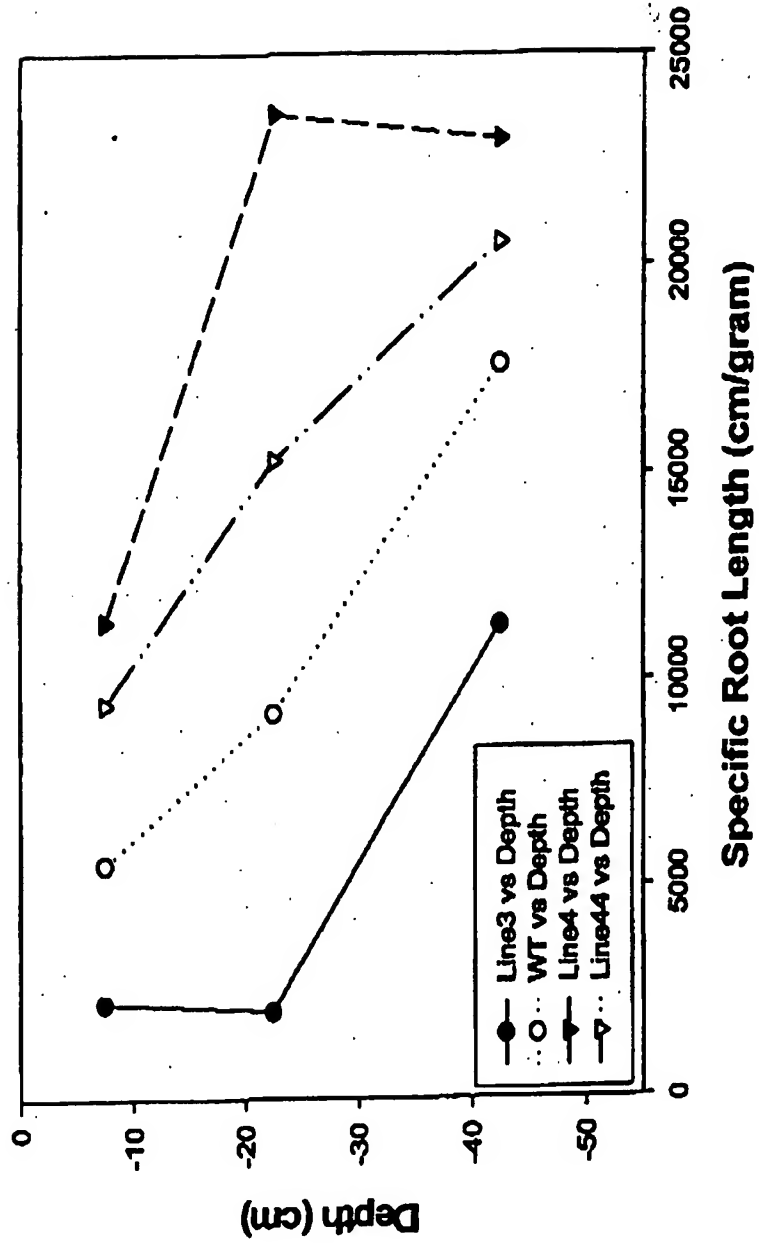


FIGURE 5

# Root Morphology

Specific Root Length  
(12 week)



LSD for Root System = 2900 cm

FIGURE 6